

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A relay device comprising:

a first signal reception unit receiving a first signal from the outside;

a first radio communication unit further transmitting the said first signal by radio ~~that is received by said first signal reception unit;~~

a second radio communication unit provided separately from said first radio communication unit ~~and capable of both transmission/reception~~ either transmitting or receiving of the a second signal by radio;

a detection unit detecting ~~said a transmission/reception of the said second signal~~ by said second radio communication unit; and

a first inhibition unit inhibiting, during a period in which said transmission/reception of said second the signal by said second radio communication unit is detected by said detection unit, transmission of said first the signal by said first radio communication unit,

wherein at least said first radio communication unit and said second radio communication unit are configured ~~in the same~~ a single assembly, and

wherein said first signal and said second signal are different types of signals, including video signals and LAN signals.

2. (Currently amended) The relay device according to claim 1, further comprising a second signal transmission/reception unit provided separately from said first signal reception unit ~~either and capable of transmitting/receiving~~ transmitting or receiving a signal to/from to or from the outside, wherein

said second radio communication unit transmits ~~the~~ said second signal in response to reception by said second signal transmission/reception unit of said second signal.

3. (Currently amended) The relay device according to claim 1, further comprising a storage unit storing, during the period in which transmission of ~~the~~ said first signal by said first radio communication unit is inhibited by said inhibition unit, ~~the~~ said first signal received by said first signal reception unit.

4. (Currently amended) The relay device according to claim 3, wherein said first radio communication unit transmits ~~the~~ said first signal stored by said storage unit when transmission/reception of ~~the~~ said second signal by said second radio communication unit is finished.

5. (Currently amended) The relay device according to claim 1, further comprising a second inhibition unit inhibiting, when a subsequent ~~the~~ signal received by said first signal reception unit is a predetermined signal, transmission of ~~the~~ said first signal by said first radio communication unit.

6. (Currently amended) A method of relaying a signal by a relay device including a first signal reception unit ~~receiving a signal from the outside~~, a first radio communication unit, ~~transmitting the signal by radio that is received by said first signal reception unit~~ and a second radio communication unit provided separately from said first radio communication unit ~~and~~ capable of both transmitting/receiving a signal by radio, comprising the steps of:

receiving a first signal from the outside by said first signal reception unit;  
further transmitting said received first signal by said first radio communication unit;  
detecting a ~~said~~ transmission/reception of a second signal by said second radio communication unit; and

inhibiting, during a period in which said transmission/reception of said second signal by said second radio communication unit is detected, transmission of said first ~~the~~ signal by said first radio communication unit,

wherein at least said first radio communication unit and said second radio communication unit are configured in ~~the same~~ a single assembly, and

wherein said first signal and said second signal are different types of signals, including video signals and LAN signals.

7. (Canceled).

8. (Currently amended) A computer-readable recording medium having a relay program recorded thereon, said relay program being executed by a relay device including a first signal reception unit ~~receiving a signal from the outside~~, a first radio communication unit, ~~transmitting the signal by radio that is received by said first signal reception unit~~ and a second radio communication unit provided separately from said first radio communication unit ~~and capable of both transmitting/receiving a signals~~ by radio, and said relay device executing said relay program to perform the steps of:

receiving a first signal from the outside by said first signal reception unit;

further transmitting said received first signal by said first radio communication unit;

detecting said transmission/reception of a second signal by said second radio communication unit; and

inhibiting, during a period in which said transmission/reception of ~~the~~ said second signal by said second radio communication unit is detected, transmission of ~~the~~ said first signal by said first radio communication unit,

wherein at least said first radio communication unit and said second radio communication unit are configured in ~~the same~~ a single assembly, and

said first signal received by said first signal reception unit and said signals transmitted/received by said second transmission/reception unit are different types of signals, including video signals and LAN signals.

9. (Currently amended) The method of relaying a signal by a relay device according to claim 6, further comprising the steps of:

- providing a second signal transmission/reception unit separately from said first signal reception unit; and unit,
- said second signal transmission/reception unit ~~capable of transmitting/receiving~~ receiving a signal to/from the outside,
- wherein said second radio communication unit transmits ~~the said second signal~~ in response to reception by said second signal transmission/reception unit of said second signal.

10. (Currently amended) The method of relaying a signal by a relay device according to claim 6, further comprising the step of:

- storing in a storage unit, during the period in which transmission of ~~the said first signal~~ by said first radio communication unit is inhibited by said inhibition unit, ~~the said first signal~~ received by said first signal reception unit.

11. (Currently amended) The method of relaying a signal by a relay device according to claim 10, further comprising the step of:

- transmitting by said first radio communication unit ~~the said first signal~~ stored by said storage unit when transmission/reception of ~~the said second signal~~ by said second radio communication unit is finished.

12. (Currently amended) The method of relaying a signal by a relay device according to claim 6, further comprising the step of:

inhibiting by a second inhibition unit, when a subsequent ~~the~~ signal received by said first signal reception unit is a predetermined signal, transmission of ~~the~~ said first signal by said first radio communication unit.

**13-16. (Canceled)**